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Abstract

5 The bipolar plate for PEM fuel cells made of a polymer blend which is filled with
conductivity-enhancing carbon fillers and which includes at least two mutually nonmiscible
blend polymers, is distinguished by the fact that the at least two blend polymers form a co-
continuous structure and the carbon fillers are at a higher concentration in one of the blend
polymers or in the phase between the blend polymers, or that a blend polymer in which the
10 carbon fillers are at a higher concentration forms a continuously conductive matrix in which
the at least one further blend polymer is intercalated.